

ABSTRACT

A stable wavelength selecting action is realized by controlling a laser wavelength to permit a fast wavelength sweeping without mechanically turning a heavy-mass member. A laser device comprising a laser resonator including a mirror (12) having a specified transparency and an adaptive optics (10) provided with a mirror capable of controlling the reflection angle and wavefront of a reflection light and allowing an incident light to reflect by applying an active change to it, a laser medium (14) disposed inside the laser resonator, and a dispersion element (16) for receiving an output light from the laser medium.